

## CLAIMS

What is claimed is:

1. A pivotal joystick base comprising:
  2. a base bar having a pivot end and a base end;
  3. the pivot end being pivotal horizontally on a base pivot that is affixed to a chair attachment;
  5. the chair attachment being articulated for attachment to a motorized chair predeterminedly;
  7. the base end being adapted to support a joystick assembly predeterminedly; and
  9. the base pivot having a pivot lock for locking the base bar in a pivoted position selectively.

1. 2. The pivotal joystick base of claim 1 wherein:
  2. the base pivot includes a pivot axle that is oriented vertically on the chair attachment for horizontal pivoting of the base bar; and
  4. the pivot lock includes a spring-pressured member that is spring-pressured upwards vertically into contact with an underside of the base bar and into at least one positional recess in the underside of the base bar for soft-locking the spring-pressured member in the positional recess at a pivotal position of the base bar predeterminedly.

1           3. The pivotal joystick base of claim 2 wherein:  
2           the spring-pressured member is spring-pressured upwards vertically  
3           with a spring having spring pressure variable with an adjustment bolt having an axis  
4           that is collinear to an axis of the spring-pressured member for entrance of the  
5           spring-pressured member into the positional recess.

1           4. The pivotal joystick base of claim 3 wherein:  
2           the spring-pressured member is spherical and positioned in a top portion  
3           of a lock cylinder in which a helical spring is positioned vertically below the spring-  
4           pressured member and the adjustment bolt is threaded into a bottom portion of the  
5           lock cylinder for adjusting tension of the helical spring against the spring-pressured  
6           member selectively.

1           5. The pivotal joystick base of claim 1 wherein:  
2           the base pivot includes the lock-notch surface on the chair attachment  
3           for horizontal pivoting of the base bar on the pivot axle vertically above the lock-  
4           notch surface;  
5           the lock-notch surface includes a predetermined plurality of lock  
6           notches positioned predeterminedly circumferential at a design notch distance  
7           radially from the pivot axle;  
8           the pivot lock includes a latch that is moveable upwardly and  
9           downwardly in a latch aperture in the base rod at the notch distance from the pivot  
10          axle;

11 that latch includes a latch tip that is positioned in a select one of the lock  
12 notches for locking the base bar in a selected pivotal direction from the pivot axle;  
13 the latch tip is removed from any of the lock notches for pivoting the  
14 base bar to a selected pivotal direction from the pivot axle; and  
15 the lock notches are articulated to receive the latch predeterminedly.

**6. The pivotal joystick base of claim 5 wherein:**

2 the latch includes a latch actuator in a bar knob that is affixable to a  
3 topside of the pivot end of the base bar.

**7. The pivotal joystick base of claim 6 wherein:**

2 that latch actuator includes internal fastener threads in the bar knob and  
3 matching external threads in an actuator portion of the latch; and  
4 the latch includes a latch handle for rotating the latch in a downward-  
5 rotational direction to screw the latch tip into a select one of the lock notches and for  
6 rotating the latch in an upward-rotational direction to unscrew the latch tip from any  
7 one of the lock notches.

8. The pivotal joystick base of claim 7 wherein:

2 the latch handle includes a latch knob.

1        9. The pivotal joystick base of claim 8 wherein:  
2                the latch tip is conical; and  
3                the lock notches are matched conically concave for receiving the latch  
4        tip.

1        10. The pivotal joystick base of claim 5 wherein:  
2                the latch tip is conical; and  
3                the lock notches are matched conically concave for receiving the latch  
4        tip.

1        11. The pivotal joystick base of claim 1 wherein:  
2                the base bar includes a fastener aperture through which an assembly  
3        fastener is inserted and tightened to position the joystick assembly on the base rod.

1        12. The pivotal joystick base of claim 11 wherein:  
2                the joystick assembly is rotational on the assembly fastener for  
3        positioning the joystick assembly in a desired rotational direction for joystick control  
4        of the motorized chair with the base bar being pivoted to a select pivotal position.

1        13. The pivotal joystick base of claim 12 wherein:  
2                the fastener aperture includes a slot predeterminedly intermediate the  
3        latch end and the pivot end of the base bar for positioning the joystick assembly  
4        linearly along the base bar selectively.

1        14. The pivotal joystick base of claim 13 wherein:

2                the assembly fastener includes an assembly knob for hand-rotating the  
3 assembly fastener.

1        15. The pivotal joystick base of claim 1 wherein:

2                the chair attachment includes an attachment bar that is extended from  
3 proximate the base pivot for attachment to the motorized chair predeterminedly.

1        16. The pivotal joystick base of claim 9 wherein:

2                the chair attachment includes an attachment bar that is extended from  
3 proximate the base pivot for attachment to the motorized chair predeterminedly.

1        17. The pivotal joystick base of claim 1 wherein:

2                the chair attachment includes an attachment plate proximate the base  
3 pivot; and

4                the attachment plate includes at least one fastener orifice for attachment  
5 to the motorized chair with fasteners predeterminedly.

1        18. The pivotal joystick base of claim 9 wherein:

2                the chair attachment includes an attachment plate proximate the base  
3 pivot; and

4                the attachment plate includes at least one fastener orifice for attachment  
5 to the motorized chair with fasteners predeterminedly.

1        19. The pivotal joystick base of claim 1 and further comprising:  
2                a stop on a bottom side of the base bar for contacting the chair  
3 attachment to prevent inward pivoting of the base bar to a position of contact of the  
4 base end with a front portion of a user.

1        20. The pivotal joystick base of claim 18 wherein:  
2                the latch knob is a flush knob that is recessed in a knob bay in the bar  
3 knob.

1        21. The pivotal joystick base of claim 9 wherein:  
2                the latch includes a resilient section that is affixed to the latch at  
3 oppositely disposed ends of the resilient section for inserting the latch tip into and  
4 removing it from the latch notch selectively.

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